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SWW1890

EN User manual 3

PHILIPS

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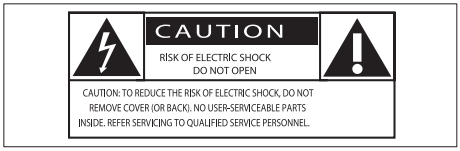
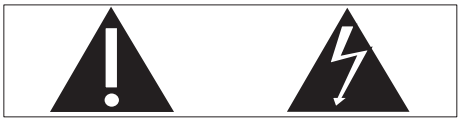
English

1 Important

Safety


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS
INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This 'bolt of lightning' indicates uninsulated material within your unit may cause an electrical shock.



The 'exclamation mark' calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

Warning

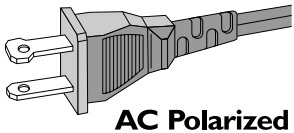
- To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

Caution

- To prevent electric shock, fully insert the plug. (For regions with polarized plugs: To prevent electric shock, match wide blade to wide slot.)

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



AC Polarized Plug

10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

⑬ Unplug this apparatus during lightning storms or when unused for long periods of time.

⑭ Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

⑮ Apparatus shall not be exposed to dripping or splashing.

⑯ Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).

2 Your Philips Wireless HD Net Connect

Congratulations on your purchase and welcome to Philips!
To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

What is in the box

Note

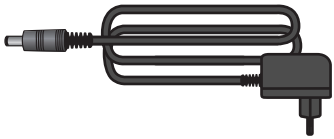
- Make sure you have all these items in the box. Contact your dealer for any missing or damaged items.

Transmitter

Receiver

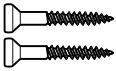
HDMI cable (5 feet / 0.64 meters)

USB cable for the power supply of the transmitter (2 feet 1 inch / 1.5 meters)



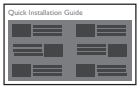
Power adapter for the receiver

Anchors x 2

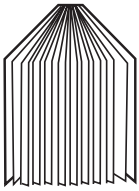


Screws x 2

Adhesive tape x 2



Quick start guide

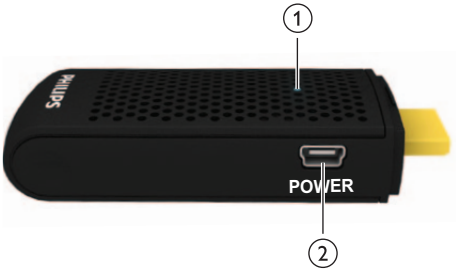


User manual

3 Overview

The transmitter

Front view



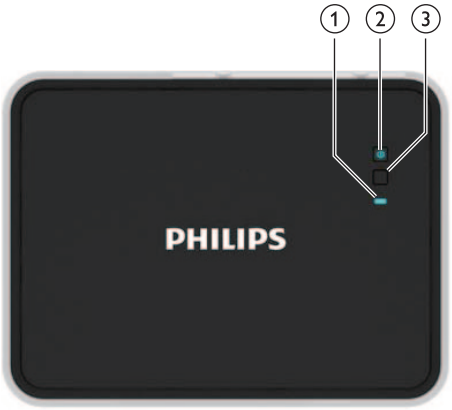
1	LED indicator	Displays the connection status of the transmitter.
2	USB power jack	Connect the transmitter to the computer with the USB cable.

Top view

1	**INFO** button	Displays on the HDTV the connection status of the transmitter.
2	HDMI IN connector	Plug into the HDMI port of the computer.

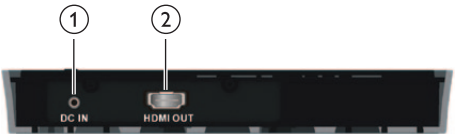
The receiver

Top view



1	LED indicator	Displays the status of the receiver.
2	Power button with LED indicator	Press to turn the receiver on/off or to standby mode.
3	**INFO** button	Displays on the HDTV the connection status of the receiver.

Rear view



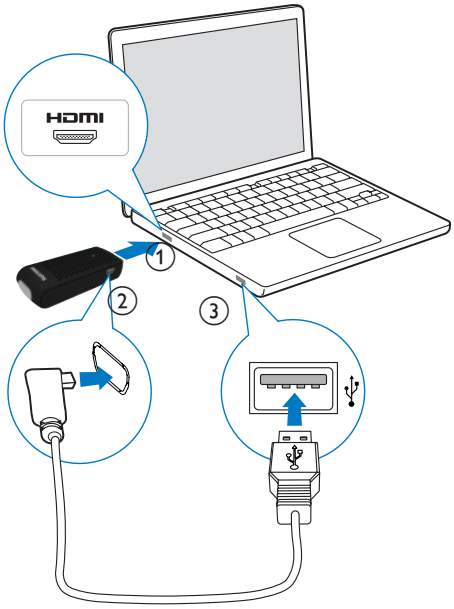
1	**DC IN** connector	Connect the power adapter of the receiver.
2	**HDMI OUT** connector	Connect to the HDTV with an HDMI cable

The Philips Wireless HD Net Connect gives you a total wireless solution to enjoy the content from your computer on your HDTV. The transmitter can transmit an uncompressed video content up to 23 feet (7 meters) without latency. The receiver can receive signals for viewing on your HDTV. All you need to do is:

- Connect the transmitter to your computer.
- Connect the receiver to your HDTV set.

4 Installation

Connect the transmitter to your computer



Connect the transmitter to the computer using the supplied USB cable.

1 Connect the transmitter to the HDMI port of the computer.

2 Connect the small end of the USB cable to the **POWER** jack of the transmitter;

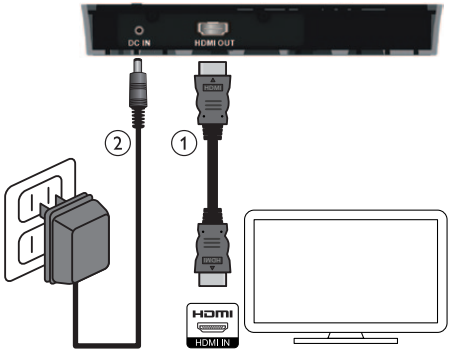
3 Connect the other end of the USB cable to your the USB port of your computer.

Note

- For some computers, the HDMI and USB ports are located in different sides of the computer. It is not recommended to use the USB port that sits right next to the HDMI port. There may not be enough space for both connectors.

↳ The power LED indicator of the transmitter flashes in blue, then turns into solid blue when the connection is established.

Connect the receiver to the HDTV set



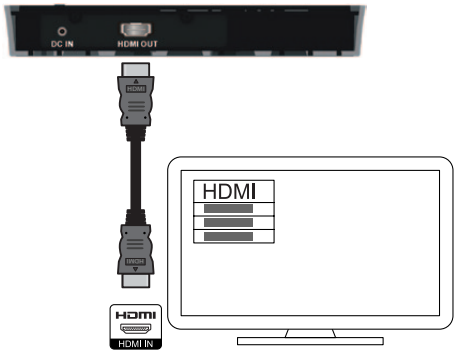
1 Connect the receiver with the supplied HDMI cable:
- Connect one end of the HDMI cable to **HDMI OUT** connector of the receiver.
- Connect the other end of the HDMI cable to the HDMI in connector of your HDTV.

2 Connect the power adapter to the receiver with the supplied power adapter:
- Connect one end of the power adapter to the **DC IN** connector of the receiver.
- Connect the other end of the power adapter to a power outlet.

English

5 Activate your Philips Wireless HD Net Connect and set up the link

Turn on the power of your HDTV



1 Go to the source menu under the settings menu of your HDTV.

2 Select the HDMI input to which the receiver is connected.

On screen display on HDTV

On screen display	Mode and status
zzZ	Standby mode: it is a power-saving mode
.....	Start up in progress: It takes 15-20 seconds.
x and	Searching available channels: It occurs when the link cannot establish over 80 seconds after initialization.
HDMI CH1	On mode with unrecognized video format
HDMI CH1	On mode but without input from the computer/source device
HDMI CH1 1080P	On mode with recognized video format

Activate the wireless link

Switch on the transmitter and receiver

Once the transmitter and receiver are powered up, the link is automatically established after 15-20 seconds.

Establish the link between the transmitter and receiver

- A flashing blue power LED is displayed until the signal link between the two units is established. Normally, it takes around 15-20 seconds for the link to establish successfully.
- When you unplug the power cord of the transmitter, the receiver enters standby mode after 5 minutes.
  ↳ The power LED of the receiver lights up in red.
- The link between the transmitter and receiver is re-established when you plug in the power cord of the transmitter again.
  ↳ The power LED of the receiver flashes in blue.

LED indicator status of the transmitter

Power LED indicator	Status
Solid blue	The link is established.
Flashing blue	Linking is in progress.

LED indicator status of the receiver

Power LED	Status LED	Mode and status
Solid red	Off	Standby mode for power-saving
Flashing blue	Flashing	Setting up a Link between the transmitter and receiver
Solid blue	Flashing quickly	On mode but without input from the computer/ source device
Solid blue	Flashing slowly	On mode with unrecognized video format
Solid blue	Solid blue	On mode with recognized video format

Note

- If the link is not established after 80 seconds, move the transmitter, receiver and HDTV closer to each other. The maximum transmission range is up to 23 feet (7 meters).
- If more than one set of Philips Wireless HD Net Connect is placed in the same room, make sure that the minimum distance among each one is 6 feet (2 meters).
- Make sure the computer is on and the video output on
- the laptop/PC is switched to HDMI.
- Make sure the video format is supported before the video is displayed, see the chapter on Technical data for information.
- If the picture on your TV is not full screen, see the chapter on 'Frequently asked questions' for information..

6 Mount your receiver

You can either mount the receiver on the wall or on the back of the HDTV.

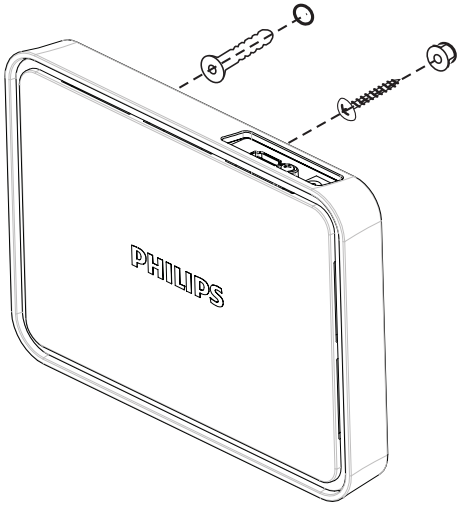
Mount your receiver on the wall

1 Select a spot near the HDTV.

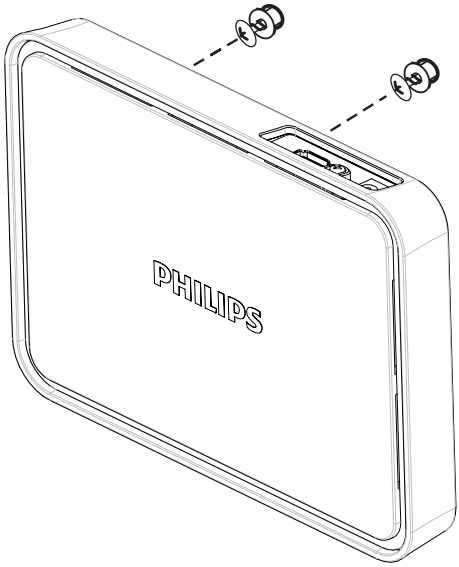
2 Drill two holes in the wall. Make sure that the distance between the two holes is 1 25/32" (45mm) and the diameter of the hole is 3/16" (5mm).

3 Punch the supplied two anchors into the two holes on the wall.

4 Put the two screws into the anchors and leave 1/8" (3mm) to mount the receiver on.



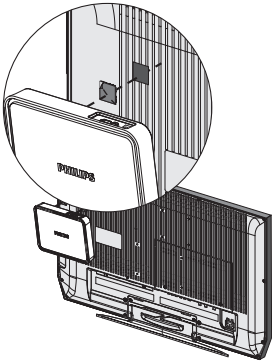
5 Hook the key holes at the back of the receiver on the screws.



Mount your receiver on the back of the HDTV

1 Remove the white protective film from one of the supplied adhesive tapes.

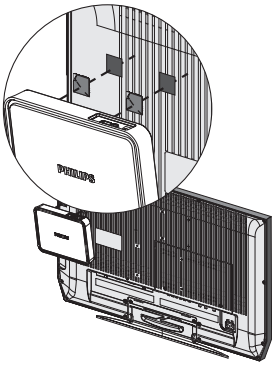
2 Secure the glued side of the adhesive tape and attach it to the central bottom area of the receiver.



3 Select a flat location on the rear side of the HDTV.

4 Remove the white protective film from the other adhesive tape.

5 Secure the glued side of the adhesive tape and attach it to the selected rear side of the HDTV.



6 Align the adhesive tape on the receiver with the one on the HDTV until both the receiver and HDTV are mounted together firmly.

Note

- The use of adhesive tapes is an alternative mounting option when the receiver cannot be fixed.
- When you mount the receiver at the back of the HDTV, avoid blocking the ventilation holes of the HDTV.
- For safety reason, check regularly if the HDTV and receiver are mounted together firmly.
- The receiver is not recommended for in-the-wall installation.

7 Technical data

Supported resolution

Video format timings	Resolution
Primary CEA video Timing	
480p	640x480p @ 59.94/60Hz
480p	720x480p @ 59.94Hz
480p	720x480p @ 60Hz
576p	720x576p @ 50Hz
720p	1280x720p @ 50Hz
720p	1280x720p @ 59.94/60Hz
1080i	1920x1080i @ 50Hz
1080i	1920x1080i @ 59.94/60Hz
1080p/60	1920x1080p @50Hz
1080p/60	1920x1080p @ 59.94/60Hz
Secondary CEA video Timing	
1080p/24	1920x1080p @ 23.98/24Hz
1080p/24	1920x1080p @ 25Hz
1080p/24	1920x1080p @ 29.97/30Hz

Product specifications

General specification

Video resolution
HDMI input: 1080p, 1080i, 720p, 576p, 480p

Supported audio formats:
Digital audio: up to 6 Mbps AC3 and DTS
Analog audio: 32-96 KHz and 16-24 bits per audio sample
Transmission distance:
Maximum 23 feet (7 meters).
Antennas:
High performance internal antennas
Operating frequencies:
5.15-5.25GHz / 5.725-5.825GHz
Power supply:
Input: AC 100~ 240V
Output: DC 5V, 2A
Operating temperature:
0~40°C/32~104°F

Transmitter interfaces

A/V interfaces
HDMI input: One (Type A, Male)
Power interface
Power input: The USB cable connected to the USB jack of the computer
LEDs
Status LED: 1 x blue LED
Dimensions
30 x 83.3 x 17.5 mm (W x L x H)

Receiver interfaces

A/V interfaces
HDMI output: One (Type A)
Power interface
Power input: 5V DC jack
Switches
Front power switch: One
Info switch: One
LEDs
Power LED: 1 x LED (Two Tone: Blue & Red)
Status LED: 1 x blue LED
Signal quality status: On-screen display
Dimensions
194.8 x 146.8 x 31 mm (W x L x H)

8 Notice

Notice for USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

- Operations in the 5.15-5.25GHz / 5.725-5.825GHz band are restricted to indoor usage only.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Radiation Exposure Statement:

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note

- The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all wireless product marketed in US must be fixed to US operation channels only.

Notice for Canada

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Caution

- The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.
The packaging of this product is intended to be recycled. Contact your local authorities for information about how to recycle the packaging.

When this logo is attached to a product, it means a financial contribution has been paid to the associated national recovery and recycling system.

One Year Limited Warranty

Philips warrants that this product shall be free from defects in material, workmanship and assembly, under normal use, in accordance with the specifications and warnings, for a period of one year from the date of purchase. This warranty extends only to the original purchaser of the product, and is not transferable. To exercise your rights under this warranty, you must provide proof of purchase in the form of an original sales receipt that shows the product name and the date of purchase. For customer support or to obtain warranty service, please visit our website www.philips.com/support, or dial in 1-888-744-5477. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. Philips' liability is limited to repair or, at its sole option, replacement of the product.

Incidental, special and consequential damages are disclaimed where permitted by law. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

9 Frequently asked questions

The power LED on the receiver is not lit up in red in standby mode.	Make sure that there is power supply for the receiver.
The laptop screen image is not full screen on my TV.	1 Right-click on an open space on your desktop. 2 Select **Graphics Options** > **Output to** > **Digital Television** (Now the laptop image will only appear on your TV). 3 Once again, right-click on an open space on your desktop. 4 Select **Screen Resolution**. 5 On the pop-up box increase the resolution settings till the laptop image better fits your TV screen. 6 Select **OK** and **KEEP CHANGES** when you are satisfied with your image size.

There is no video displayed on my TV screen.	• Make sure that the appropriate cables are selected and inserted to the transmitter, receiver, and HDTV.
	• Make sure that you select HDMI as the input source on your HDTV.
	• Check the power LED and status LED on the receiver:
	  • **Flashing blue power LED:** Make sure that the transmission range between receiver and transmitter is not over 23 feet (7 meters) transmission distance. Move the transmitter closer to the receiver.
	  • **Solid blue power LED + slow and flashing source LED: 1)** Make sure that the frame rate and video resolution of your A/V equipment are supported and conformed to the technical specification (see the chapter 'Technical data'). **2)** Connect the computer to your TV with an HDMI cable to check the compatibility of the video format.
	  • **Solid blue power LED + quick and flashing source LED: 1)** Make sure that the proper cables are connected between the receiver and HDTV. **2)** Make sure that your computer connected to the transmitter is powered on. **3)** Make sure that the HDMI cable is connected between the HDTV and receiver. **4)** Make sure that the display setting of your computer is set to clone display or extended display.
	Tip
	• For information about how to set your computer to clone or extended display, see 'How can I connect to my computer to enable the external display?' described later in this chapter.

If the picture quality is poor, what do I do?	• Make sure that the video scale and resolution of your computer matches the resolution of your HDTV (See chapter 'Technical data'). • Make sure that the transmission range between receiver and transmitter is not over 23 feet (7 meters) transmission distance.
I cannot hear any sound or the sound is poor, what do I do?	• Make sure that the TV volume is adjusted correctly. • Make sure that the TV volume is not set to minimum or the sound is not muted. • Make sure that the audio volume of your computer is turned up. • Make sure that the audio bit rate is supported. • Make sure that the audio output of your computer is set to HDMI output. **Tip** • See the chapter 'Product specification'.
How can I connect to my computer to enable the external display?	
For Windows7 operation system:	1 Press ⊞, then **P**. ↳ The screen with options is displayed. 2 Select **Clone**, **Extend display** or **Project out** only for external display.
For Windows Vista operating system:	1 Click on **Start** > **Control Panel** > **Personalization** > **Display settings**. 2 Make sure that the display **2** is on with or without enabling **Extend the desktop onto this monitor**. 3 Make sure that the resolution is comply to the supported resolution (See the chapter 'Technical data', section supported resolution).
For Windows XP operating system:	1 On the computer screen, right click on your mouse. 2 Select **Properties** > **Settings**. 3 Make sure that the display **2** is on with or without enabling **Extend the desktop onto this monitor**. 4 Make sure that the resolution is comply to the supported resolution (See the chapter 'Technical data', section supported resolution). **Tip** • For further information, click on **Start** > **Help and Support**, then enter 'change display settings' on the blank space provided.

For MAC operating system:

MAC operating system detects the external display equipment and switches to a better resolution automatically when you plug in the display cable to MAC series.

Note

- If the MAC operation system does not detect the external display automatically, click on > **Preference** > **Detect Displays**.
- This product does not work with display port.

How can I change the audio setting of my computer to HDMI output?

For Windows7 and Vista operating system:

1. Click on **Start** > **Control Panel** > **Sound** > **Playback**.
2. Set the playback device to the corresponding TV set shown on the list.

For Windows XP operating system:

1. Click on **Start** > **Control Panel** > **Sounds and Audio Devices** > **Audio** > **Sound Playback**.
2. Set the **Default device** to **HDMI device**.

Tip

- For further information, click on **Start** > **Help and Support**, then enter 'change audio settings' on the blank space provided.

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